Digital Well Planning
Using DrillPlan to optimize well planning on an old giant

Roel Heusschen
Project Manager - Schlumberger

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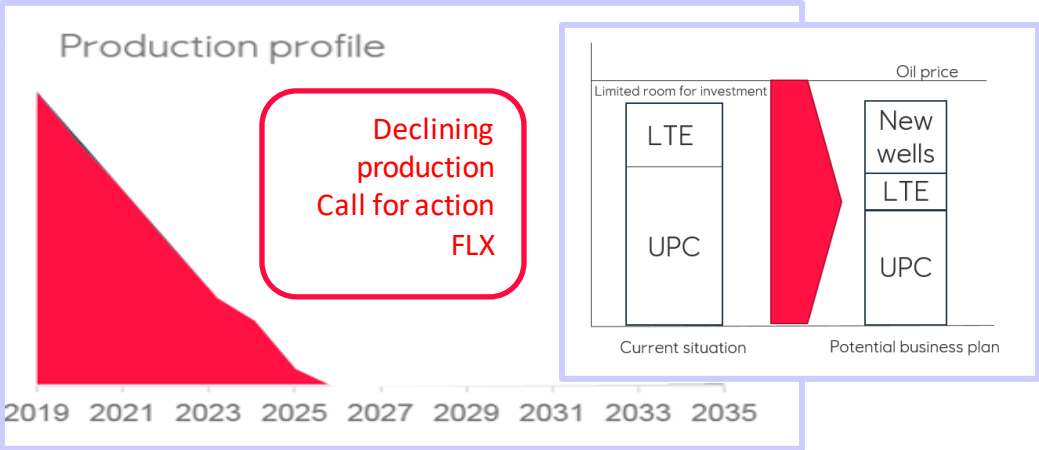
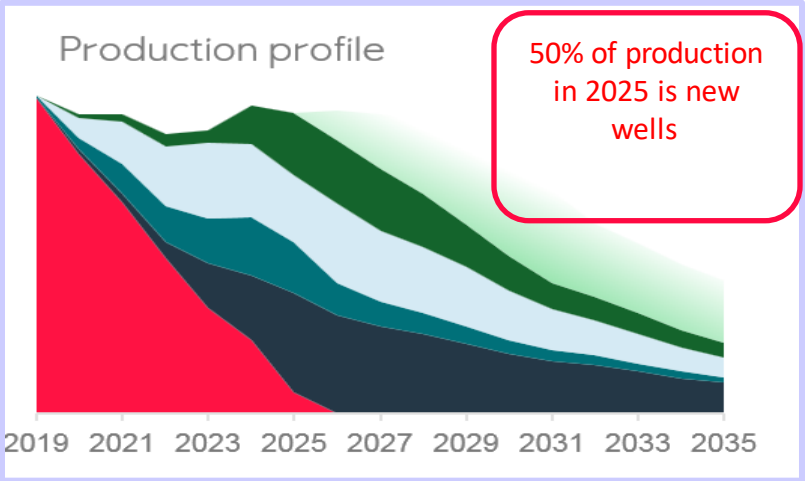
VP FLX Wells - Equinor

FLX Ambitions - Transforming the NCS to deliver sustainable value for decades

Create room for investment …



… to extend lifetime



Ambition

Create room for new investment
~25%
Cost reduction
+
Increased reserves
~200%
Reserve increase
+
Safe & Sustainable operations
~50%
CO2 reduction

Become a lighthouse for the future on the NCS

- our safety culture
- our performance culture
- our operating model (New ways of working)
- our supplier collaboration

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FLX Wells: Objectives and drivers

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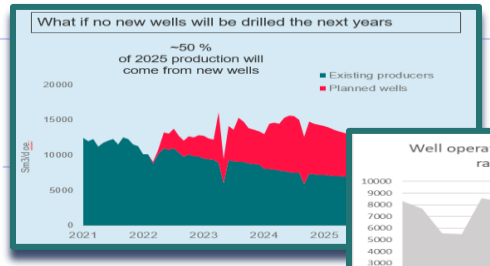
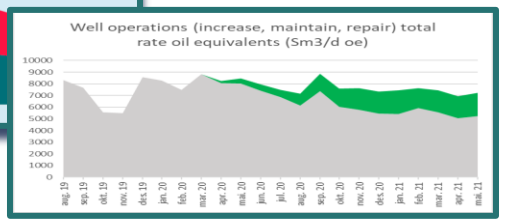
Always safe

Operational objective

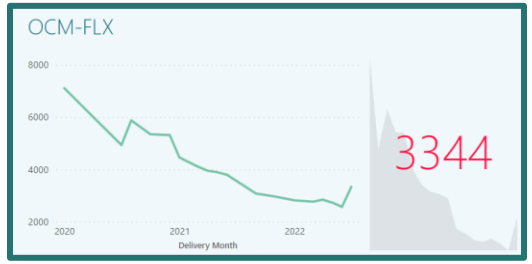
Increase number of high value wells and well interventions





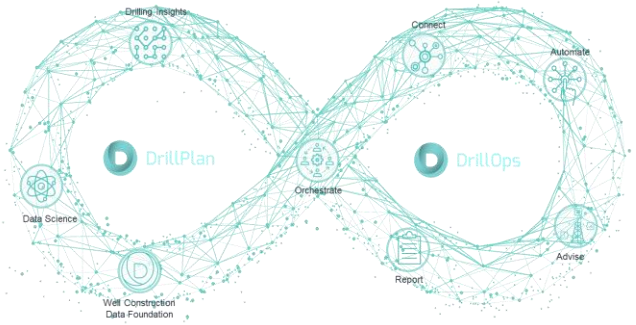
Drivers

- Zero Harm
- One Team
- Maximize production and reduce well cost
- Future ways of working



Enablers

- Efficient rig utilizations
- Balanced barebone portfolio
- Digitalization
- Late life work process



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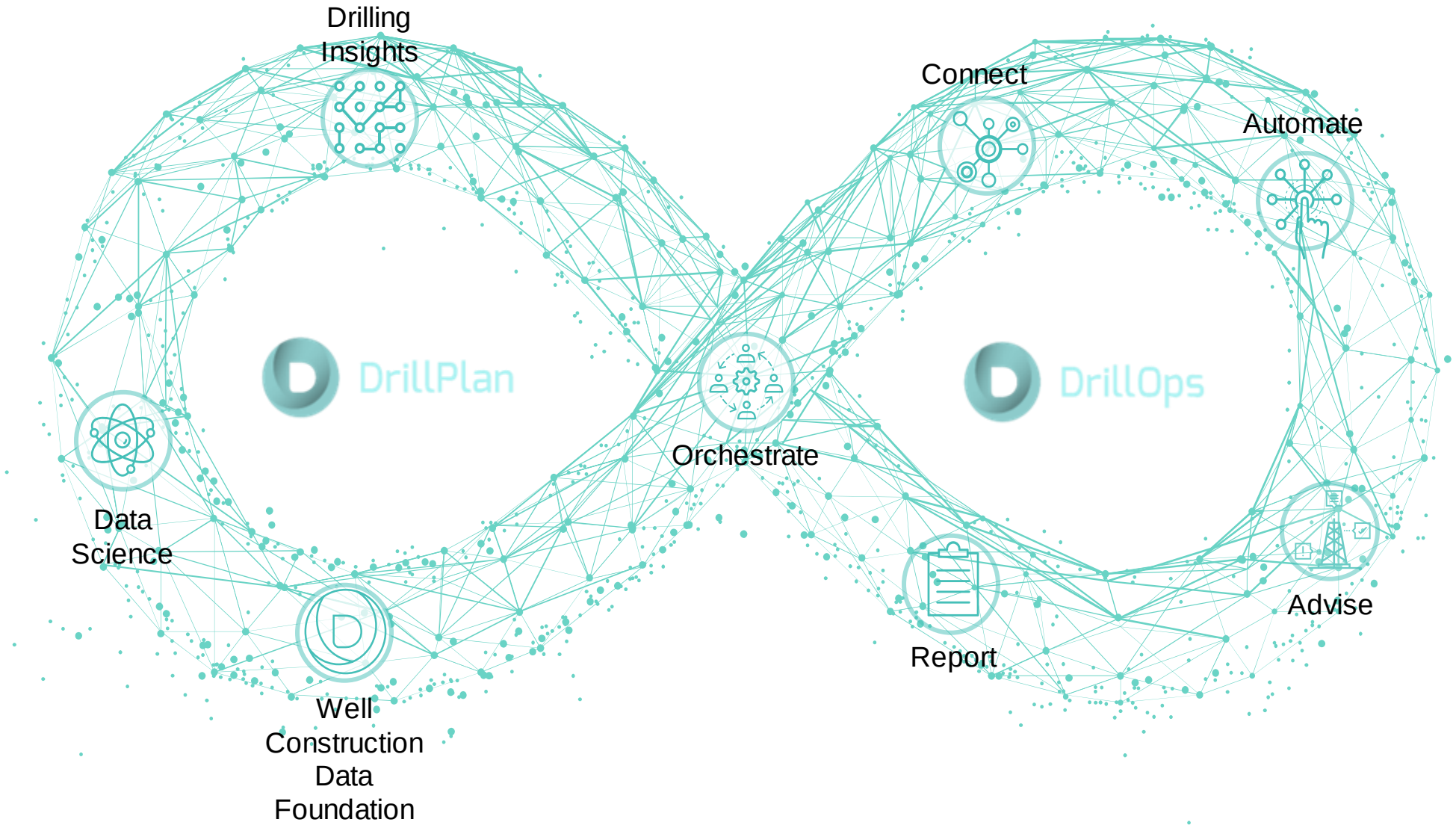
The Integrated Digital Drilling Solution



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Use of DrillPlan in FLX

DrillPlan

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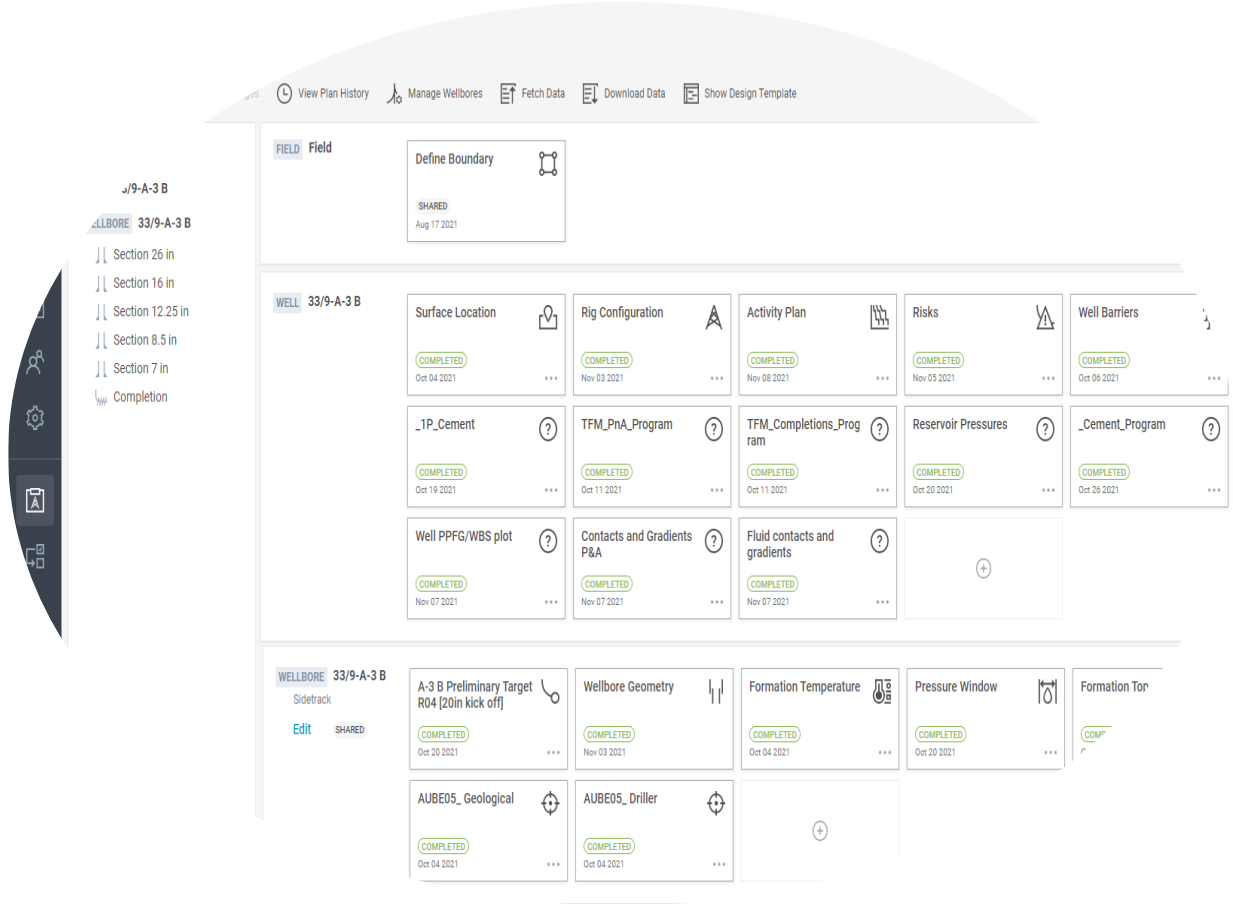
Use of DrillPlan in FLX

- Template designed for all standard well designs on Statfjord



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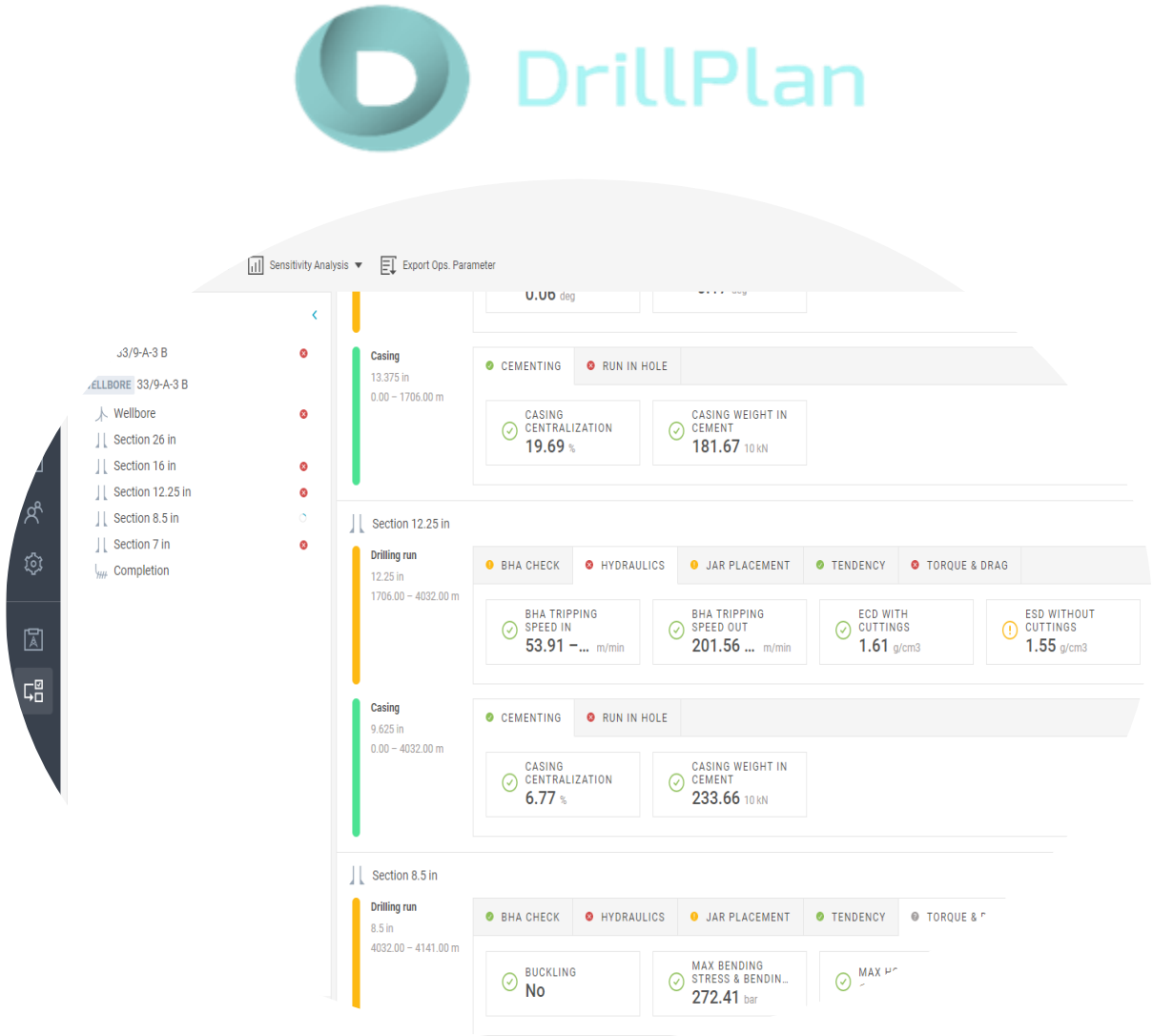
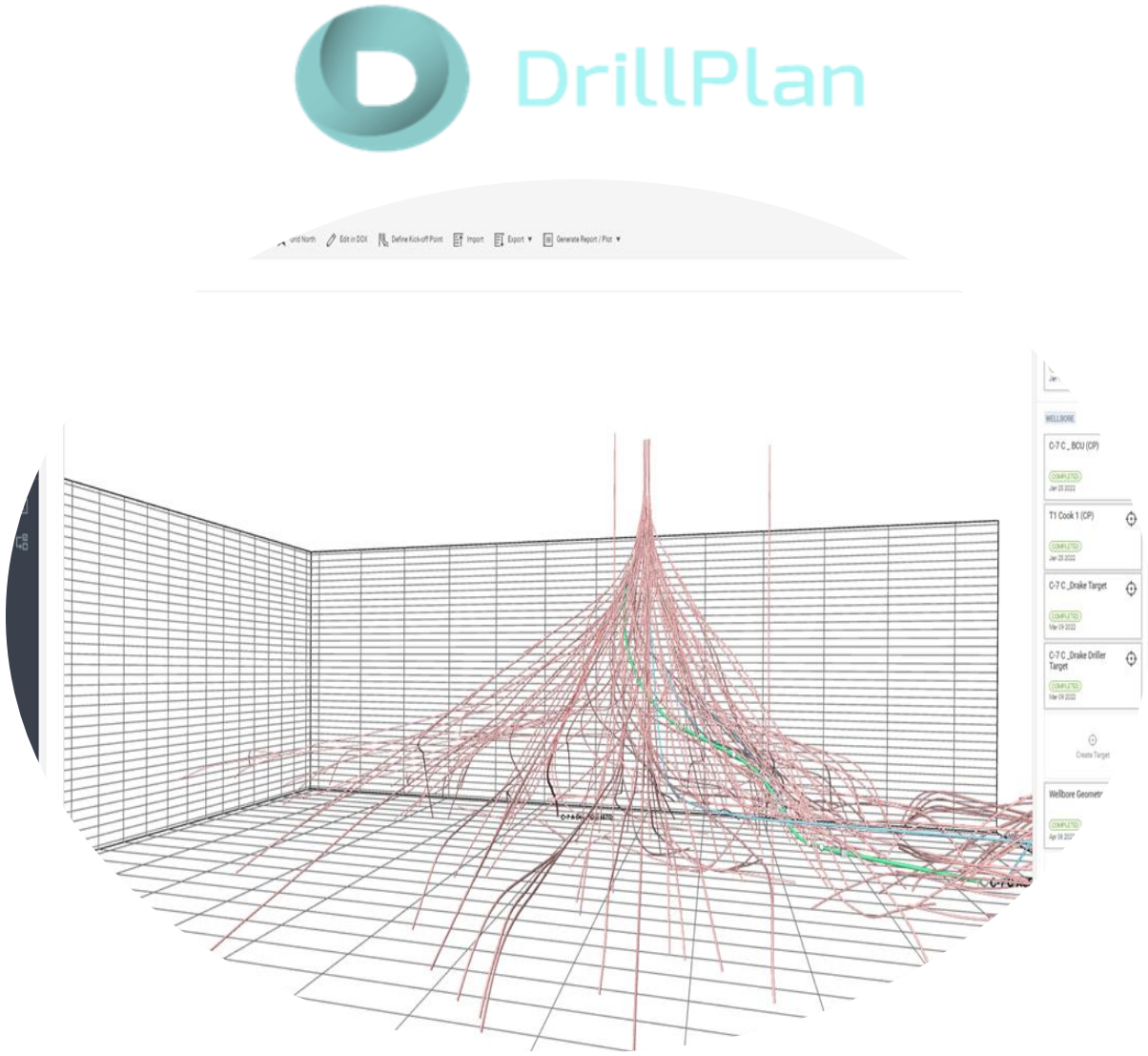
- Quick Design validation in Well selection phase



Use of DrillPlan in FLX

- Template designed for all standard well designs on Statfjord
- Quick Design validation in Well selection phase
- SLB IWC Team Internal Use of DrillPlan for Trajectory design, BHA design, Fluid Design and Completion Design



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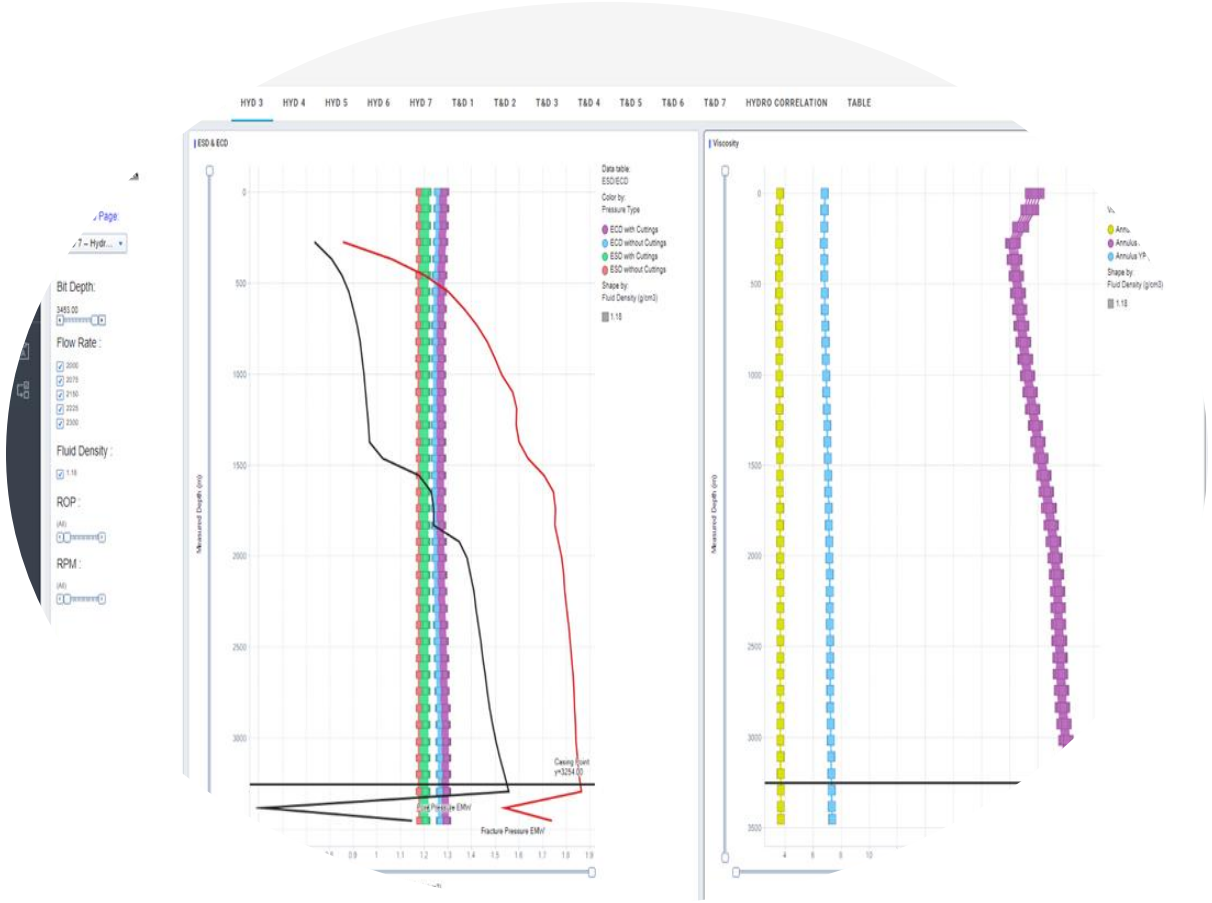

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Use of DrillPlan in FLX

- Template designed for all standard well designs on Statfjord
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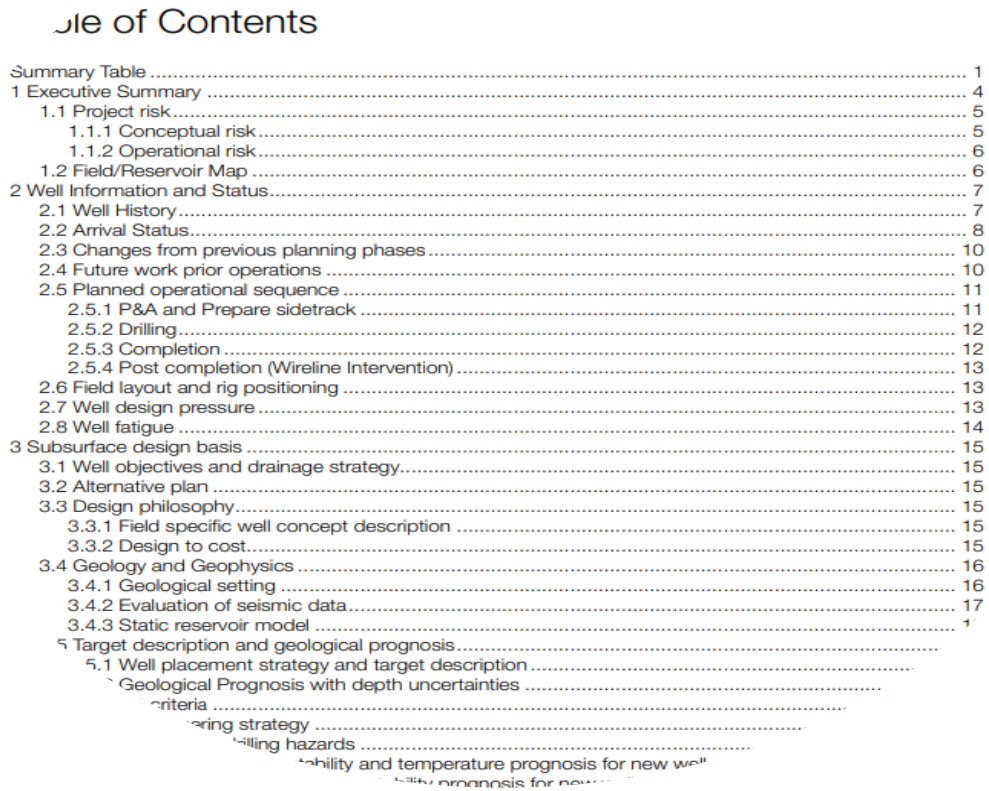
- SLB IWC Team Internal Use of DrillPlan for Trajectory design, BHA design, Fluid Design and Completion Design
- FLX Team use of DrillPlan for sensitivity analysis and design validation
- FLX Team use of DrillPlan to create Activity Program



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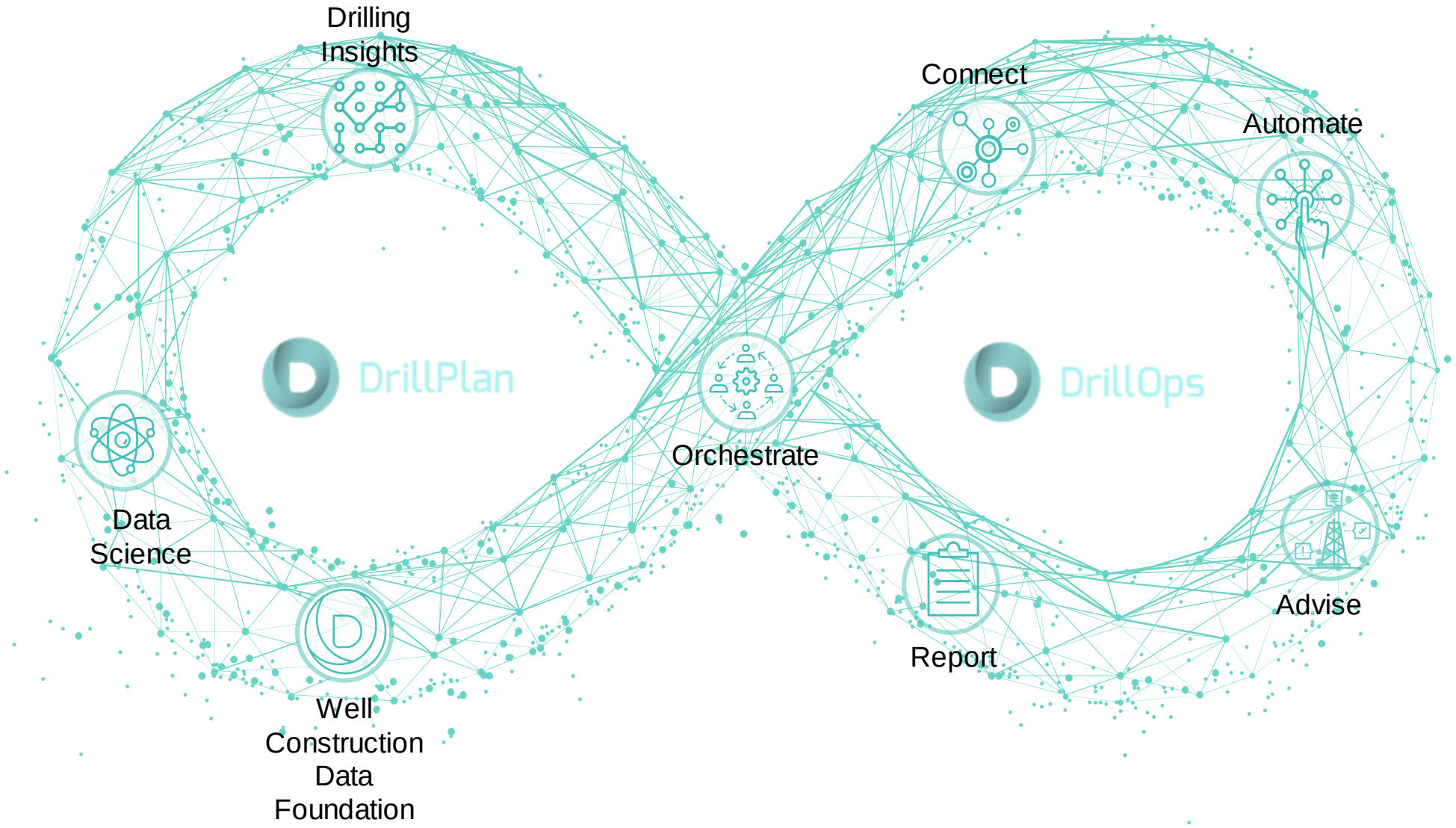
The Integrated Digital Drilling Solution



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The Integrated Digital Drilling Solution

DrillOps

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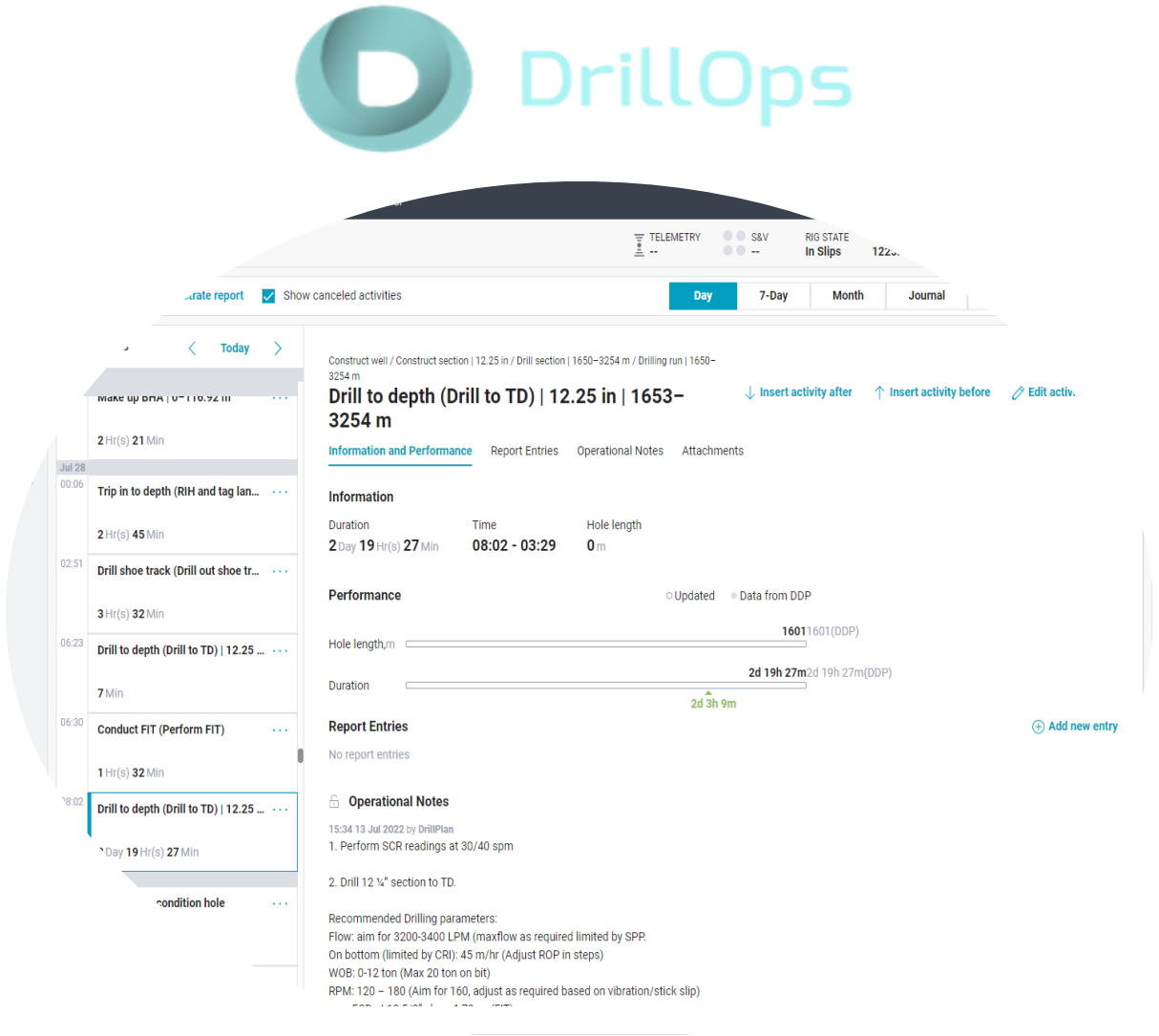
Use of DrillOps in FLX

- Implementation of DrillOps Orchestrate to reduce planning time and produce high quality and structured DOP's



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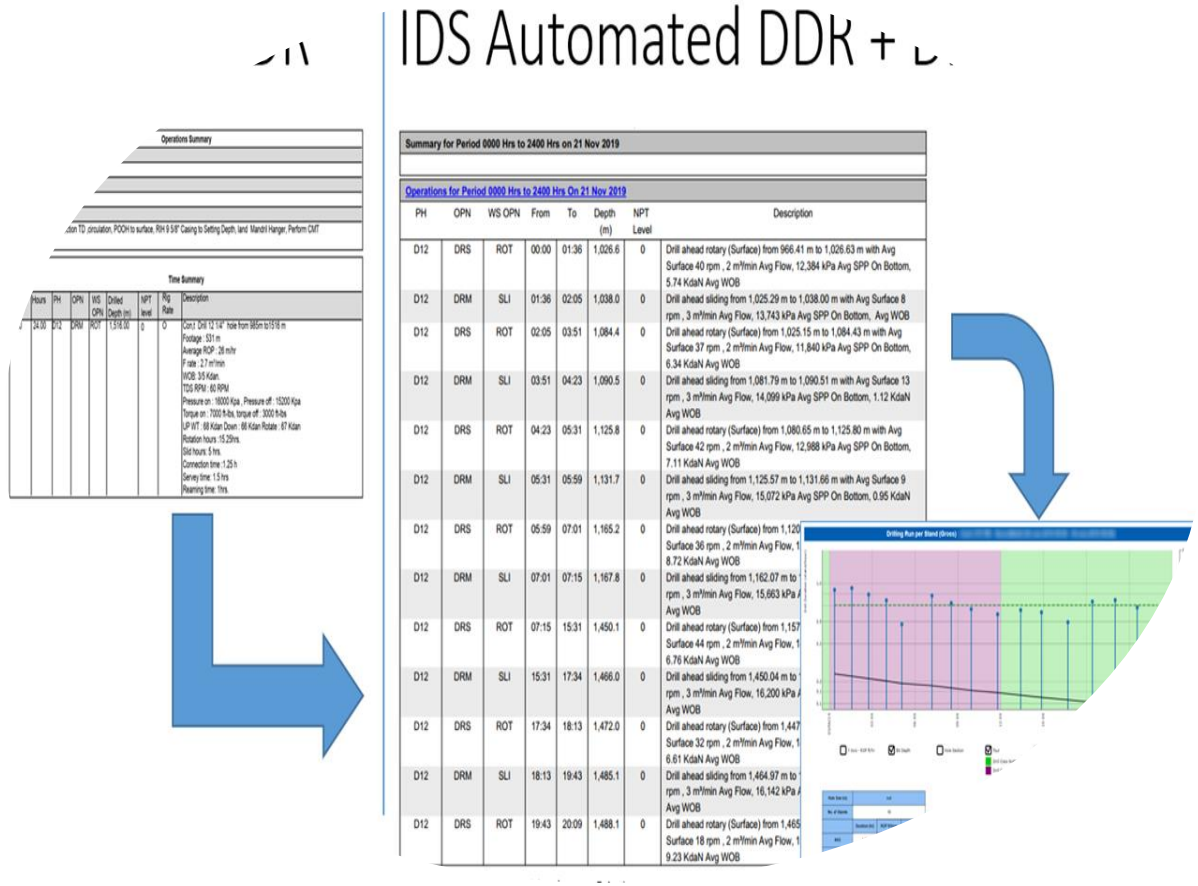
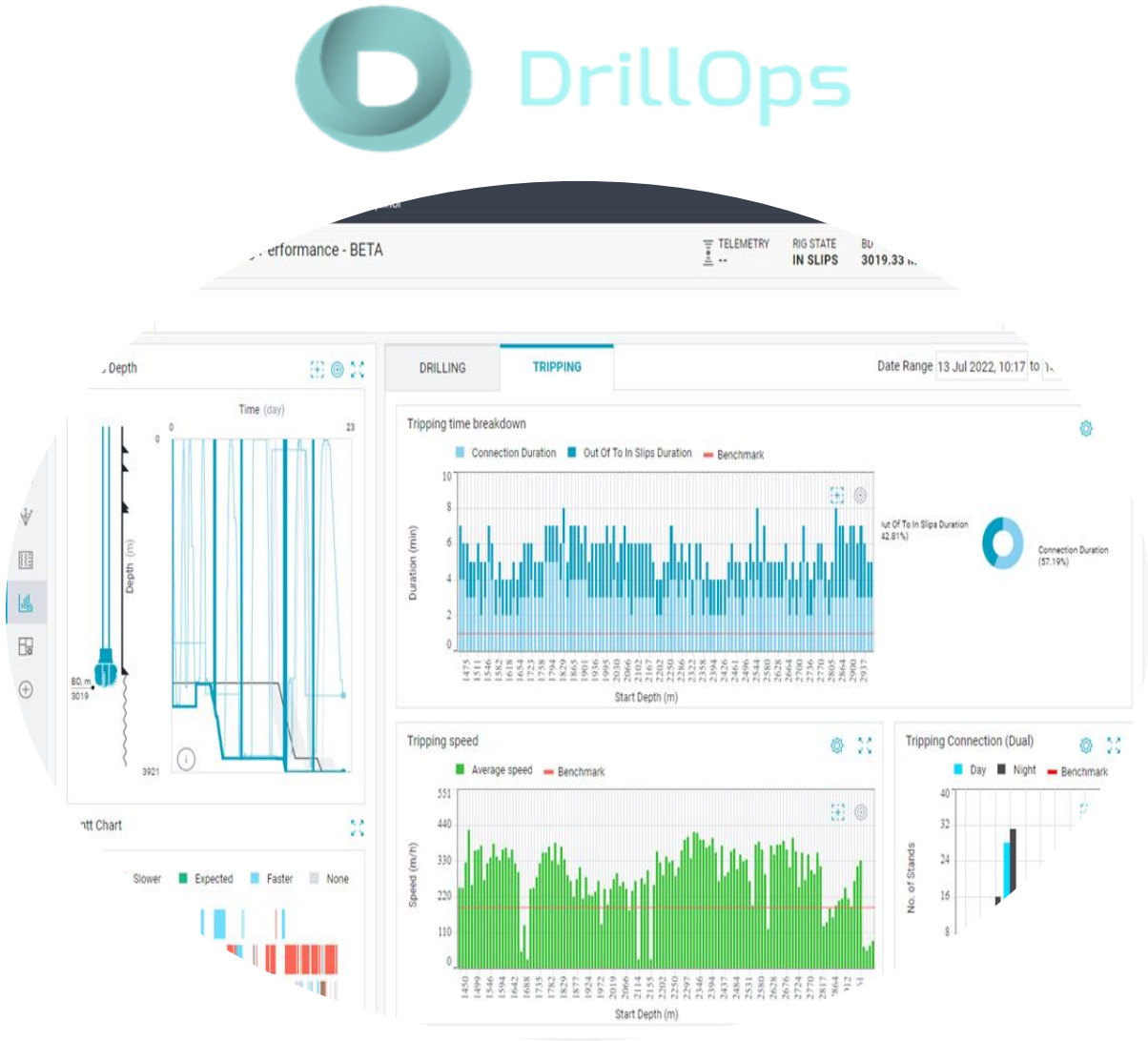
Use of DrillOps in FLX

- Implementation of DrillOps Orchestrate to reduce planning time and produce high quality and structured DOP's
- Implement DrillOps Report to automatically capture activity notes and reduce time spent offshore on reporting



Use of DrillOps in FLX

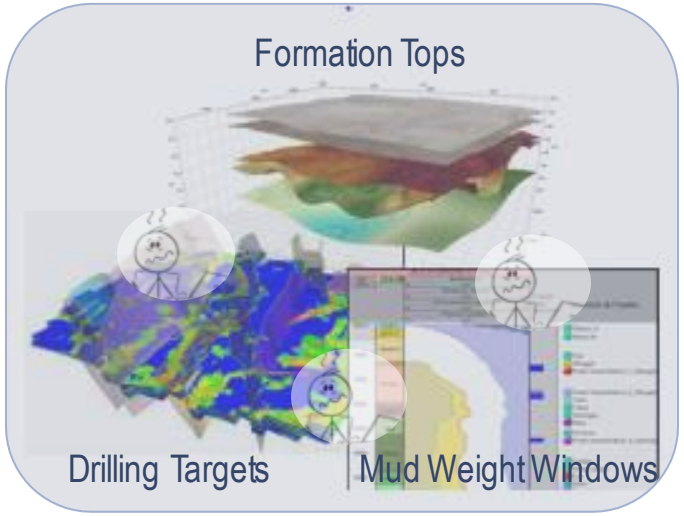
- Implementation of DrillOps Orchestrate to reduce planning time and produce high quality and structured DOP's
- Implement DrillOps Report to automatically capture activity notes and reduce time spent offshore on reporting
- Implement DrillOps Advise to mitigate quality incidents, drive procedural adherence and increase cost efficiency



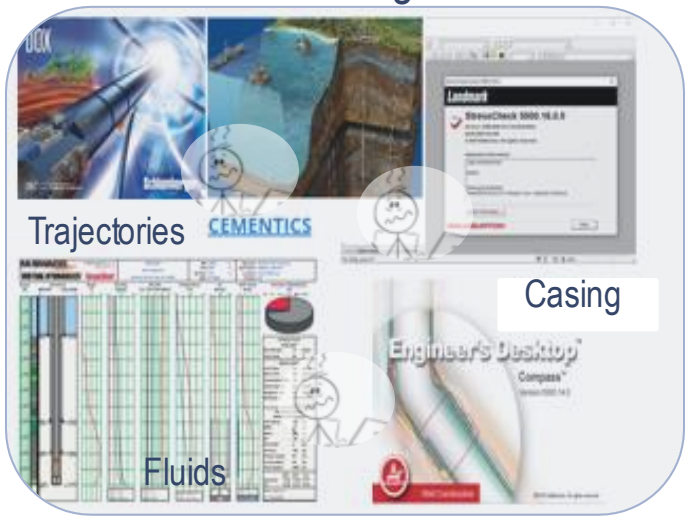
FLX ambitions

Go from disupted workflows with manual data transfers

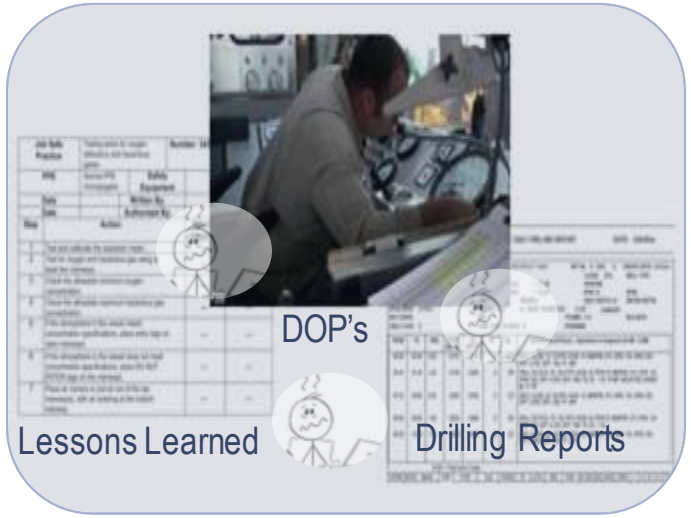
Subsurface evaluation



Well Design



Operations



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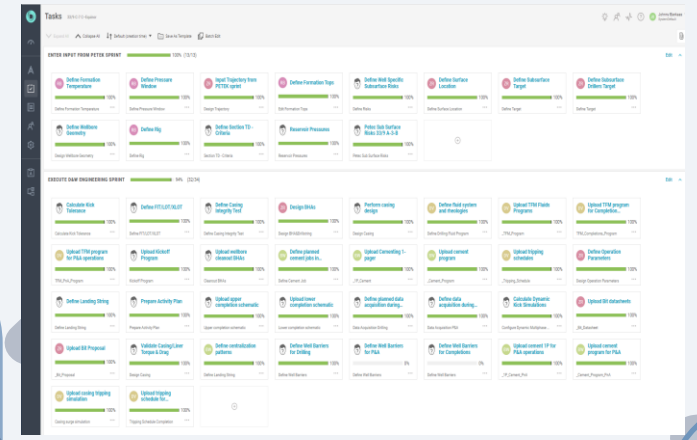
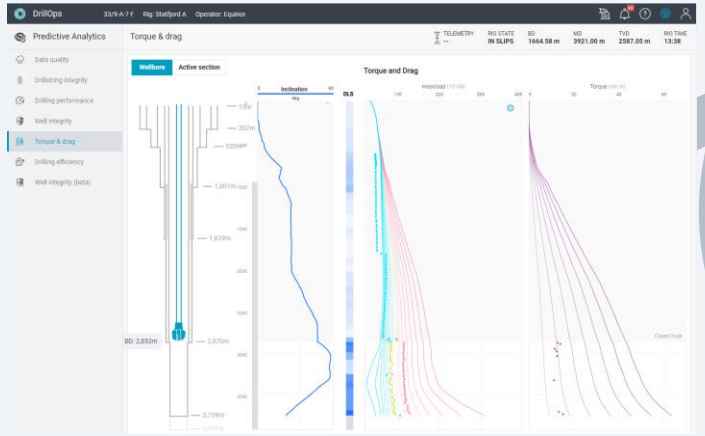
FLX ambitions

to integrated workflows with seamless data transfer

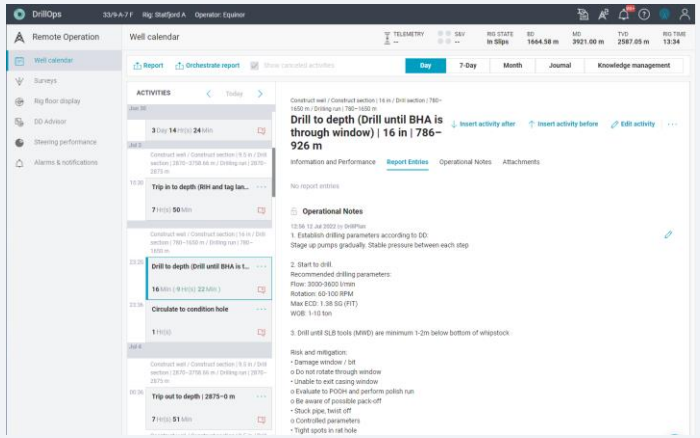
DrillPlan



DrillOps Advise



DrillOps Orchestrate and Report



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